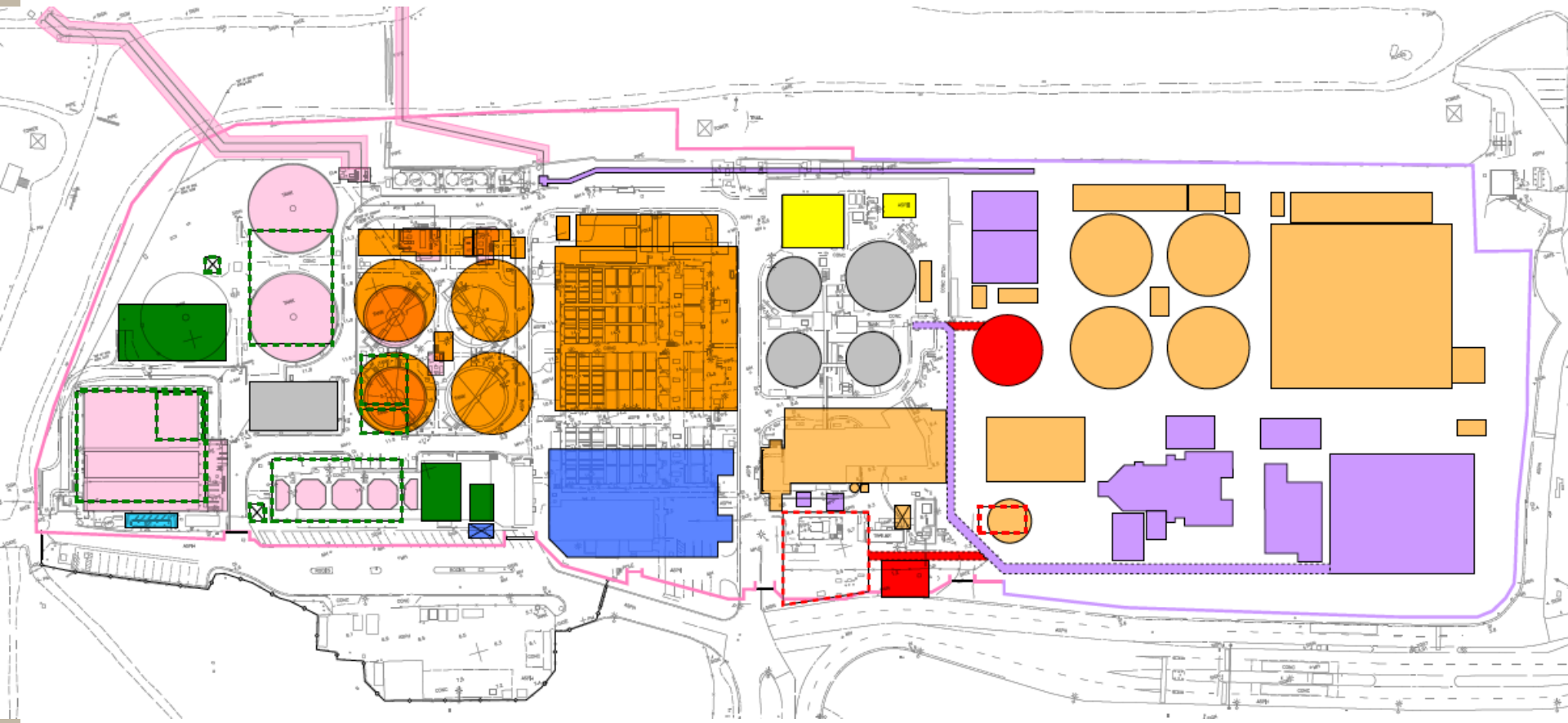
Sunnyvale

Sunnyvale Cleanwater Program:

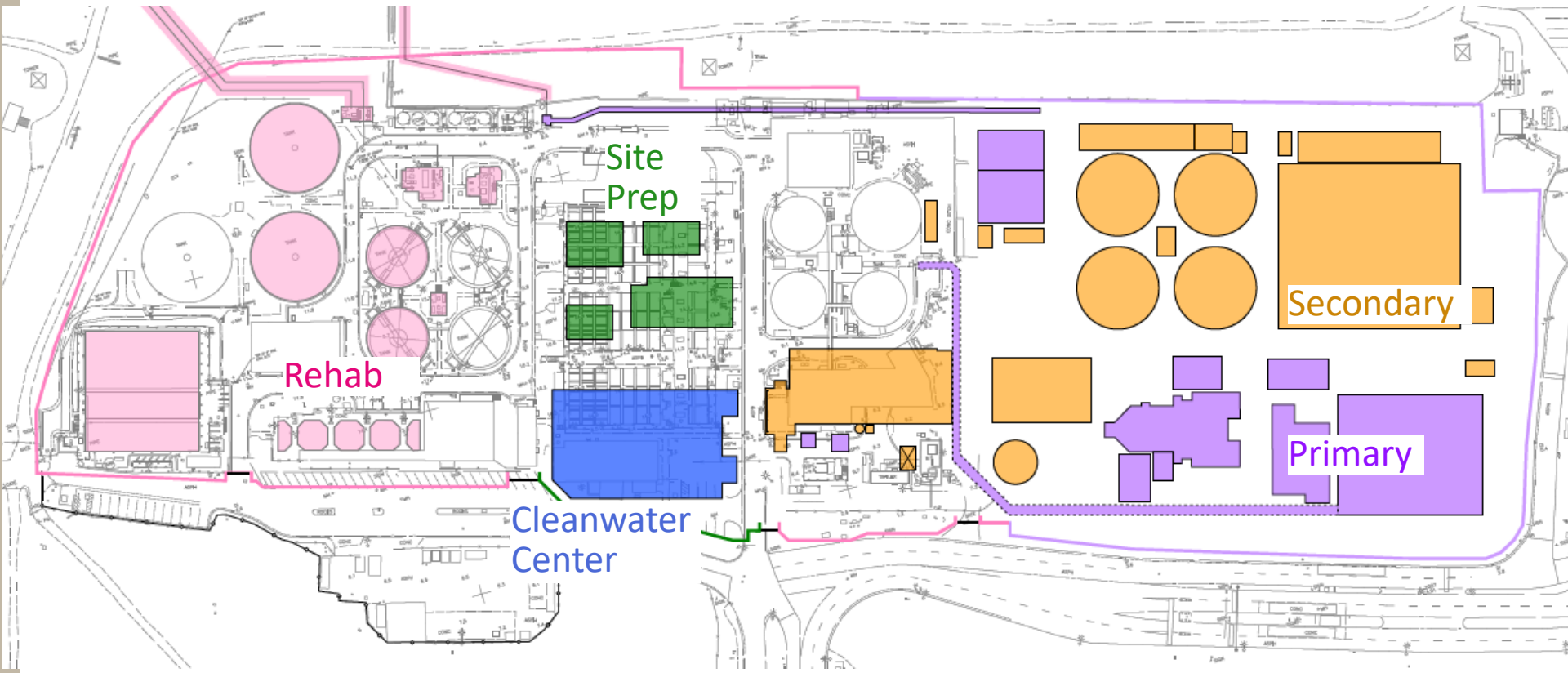
Cleanwater Center and Plant Rehabilitation Update

Council Study Session
November 10, 2020

Sunnyvale Cleanwater Program

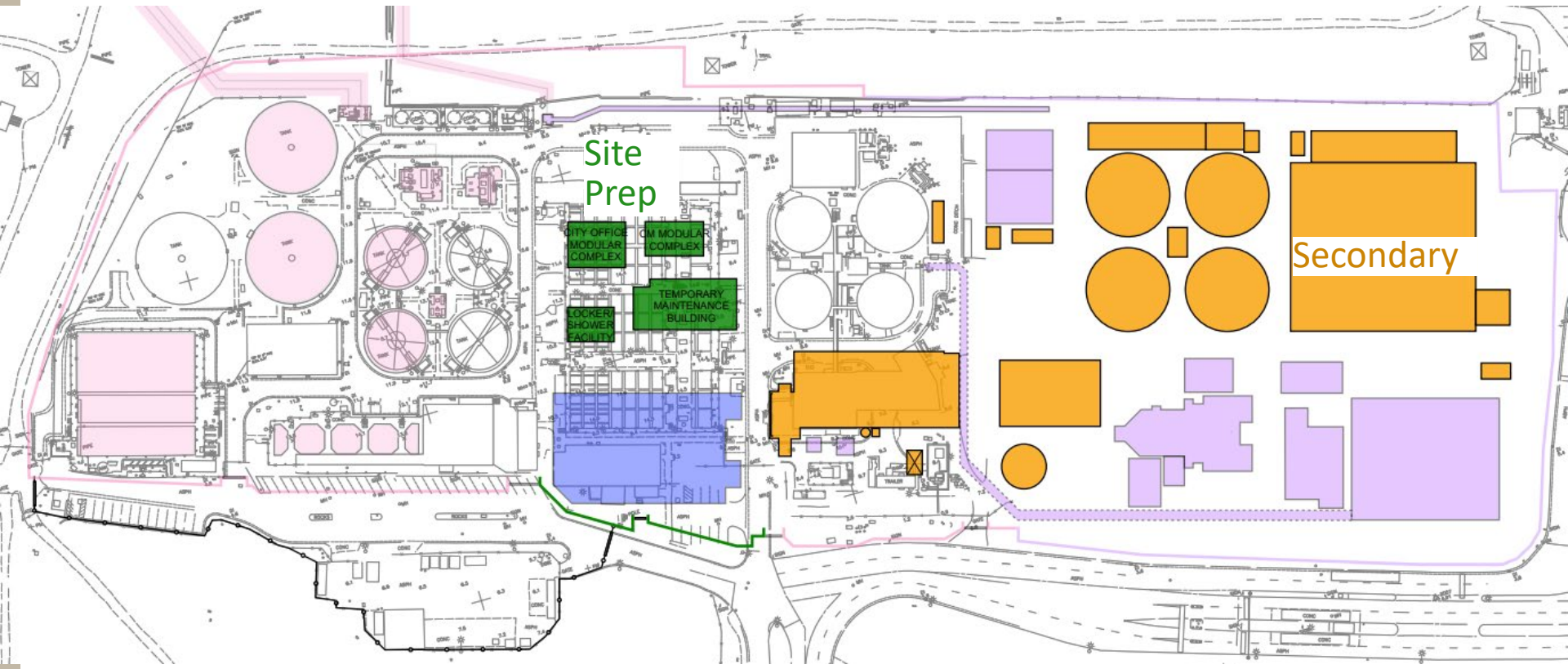


Project Status

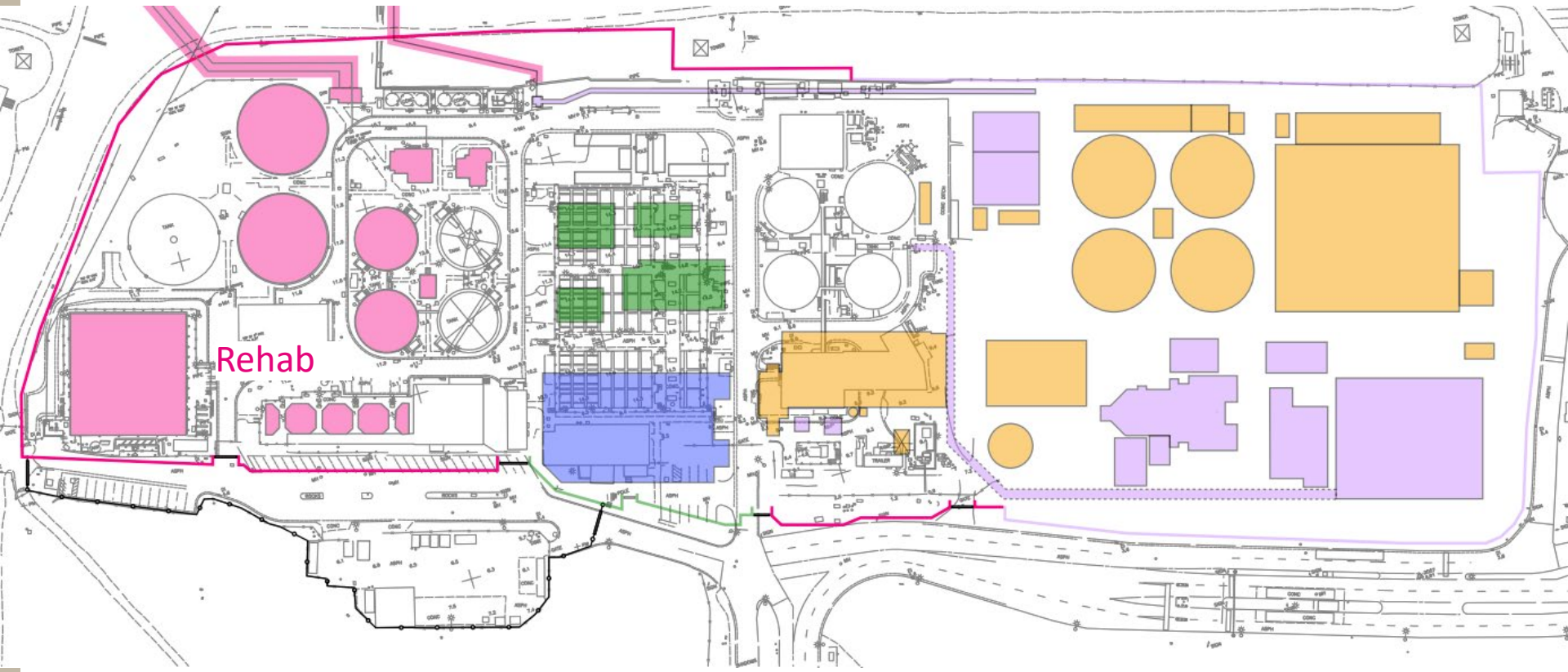


Headworks/Primary Treatment (824771)

Secondary Treatment/Dewatering (833210)



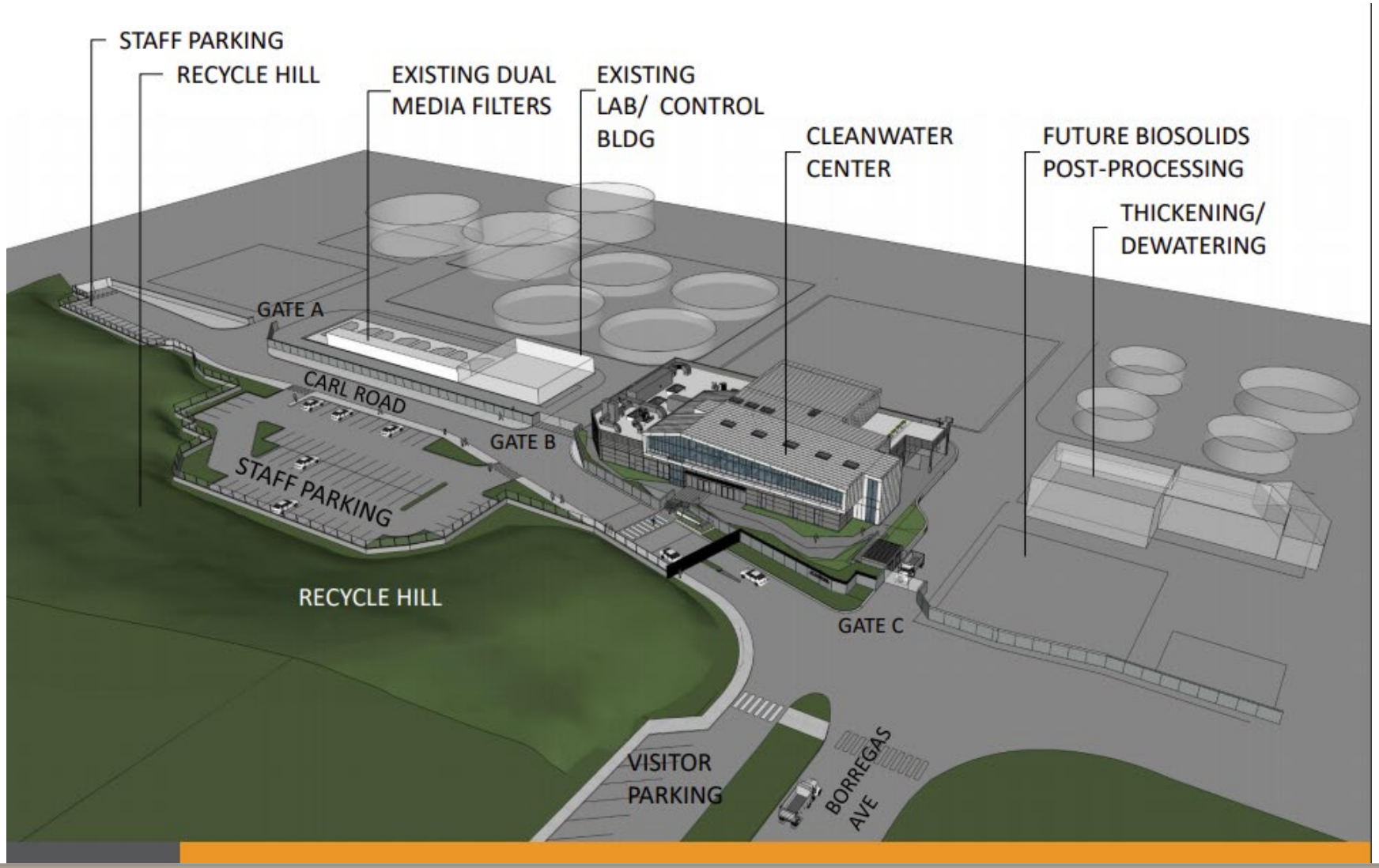
Existing Plant Rehabilitation (833150)



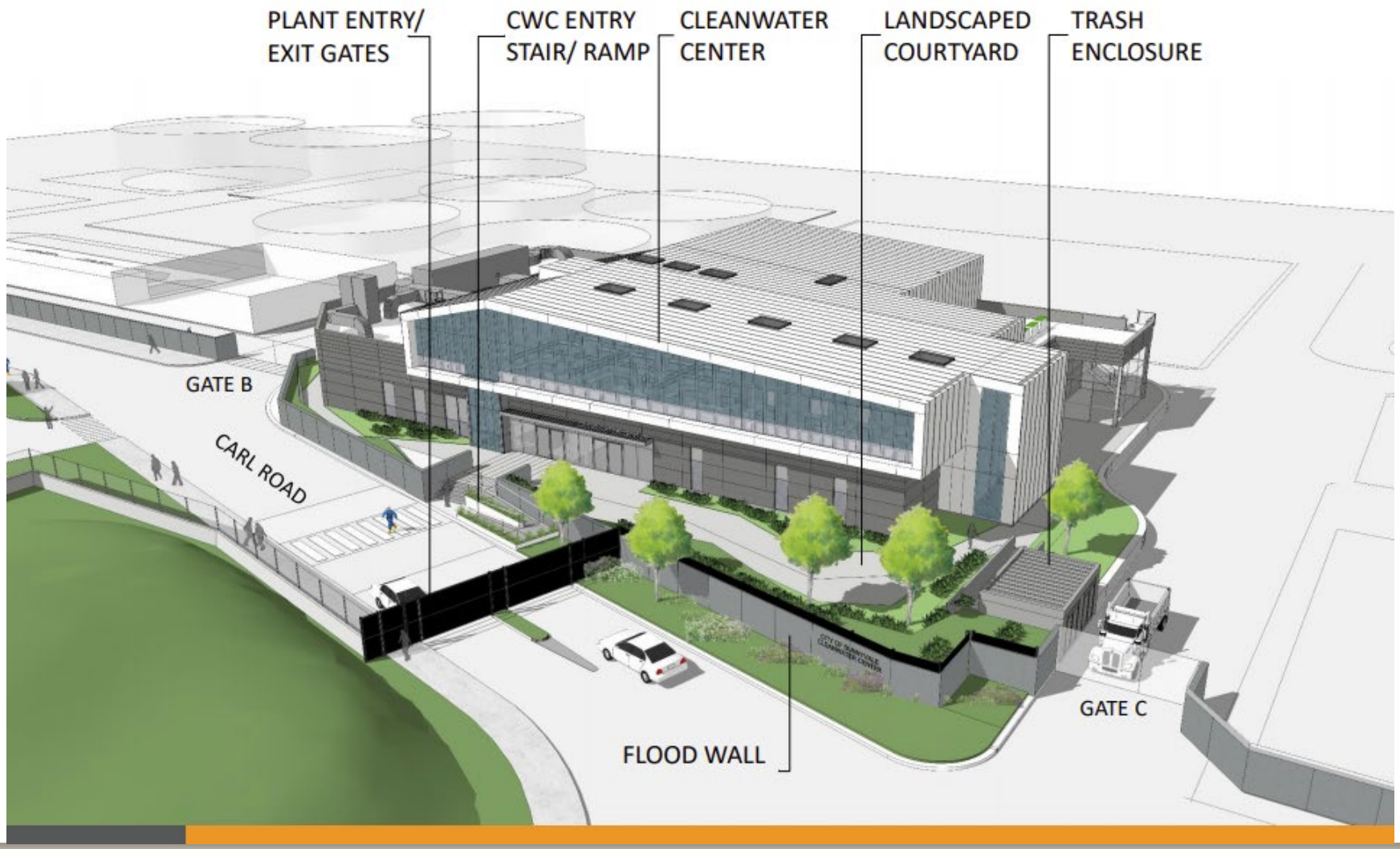
Admin/Lab Building (Old Location)

Cleanwater Center (New Location)

Cleanwater Center—Aerial View



Cleanwater Center—Design Elements



Cleanwater Center--Architectural Concept 1

Cleanwater Center--Architectural Concept 2 (*Preferred)*

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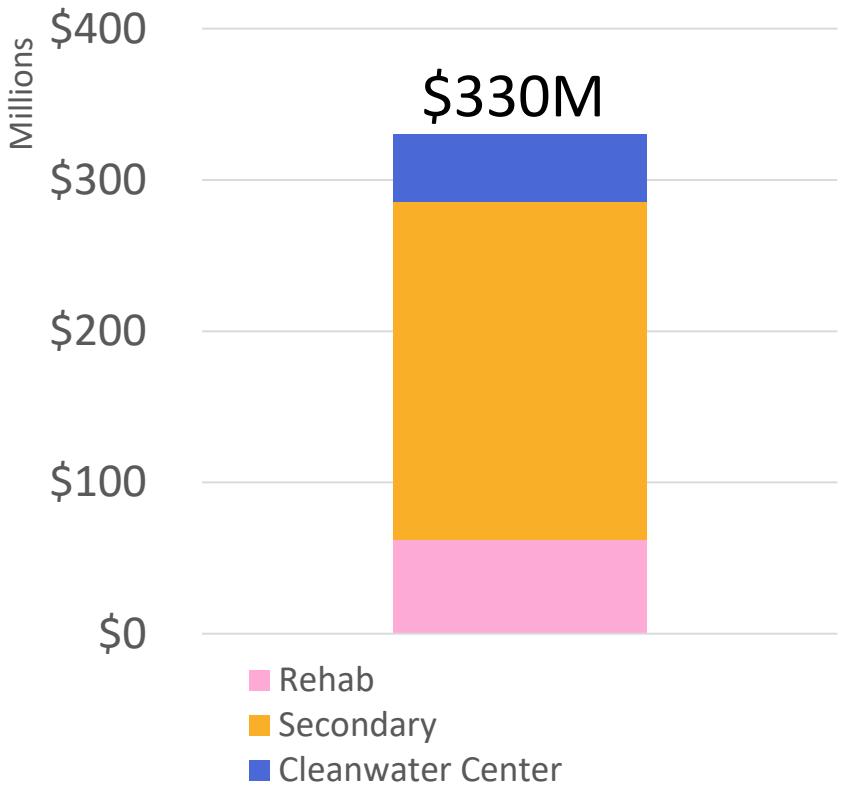
Cost Control

Sunnyvale Cleanwater Program

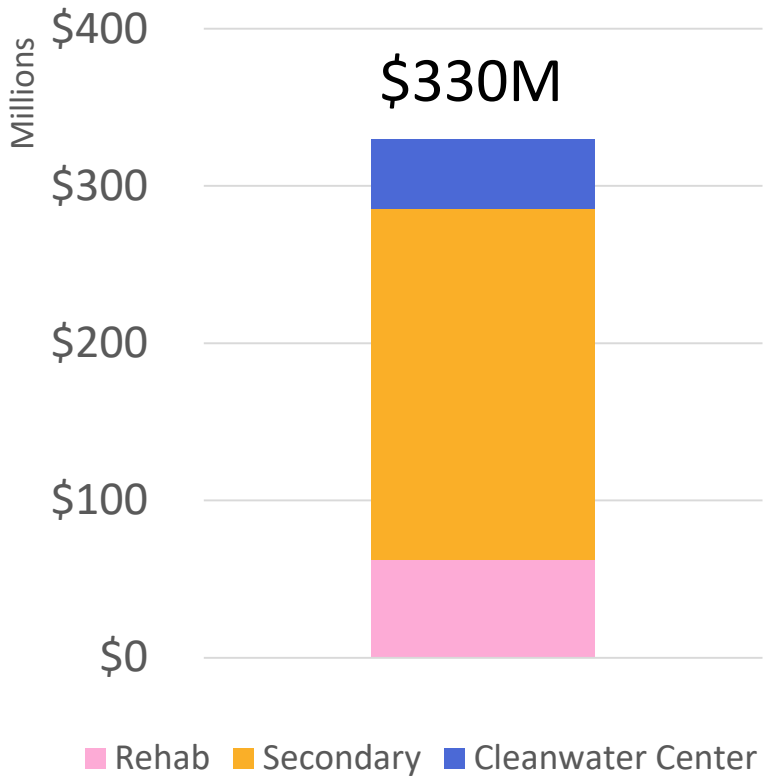
Cost Control Focus

Adopted Budgets

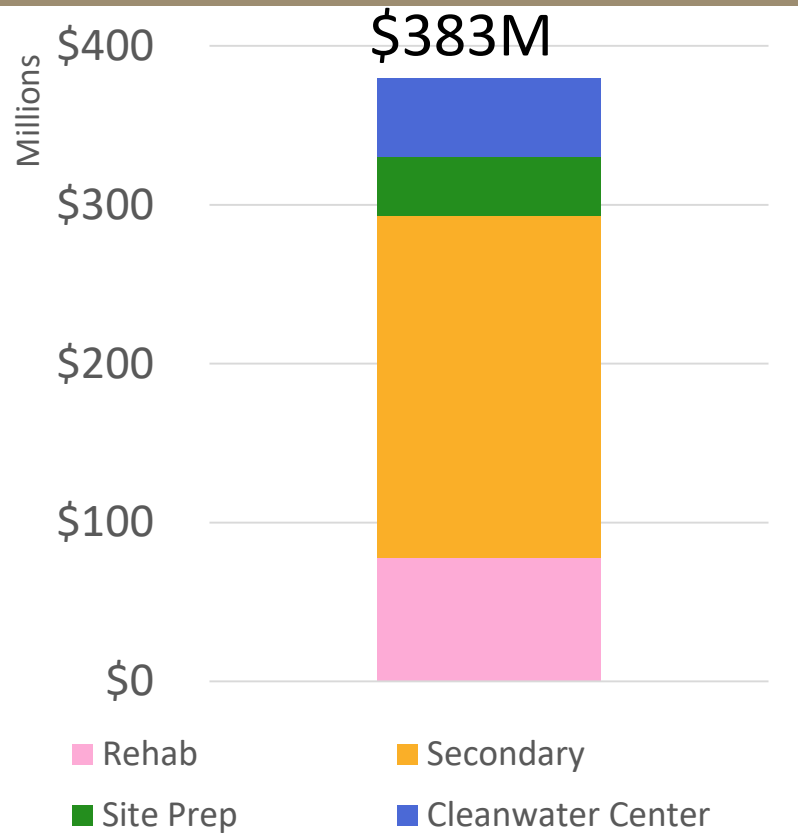


Cost Control Focus

Adopted Budgets



60% Estimates



Decision Point

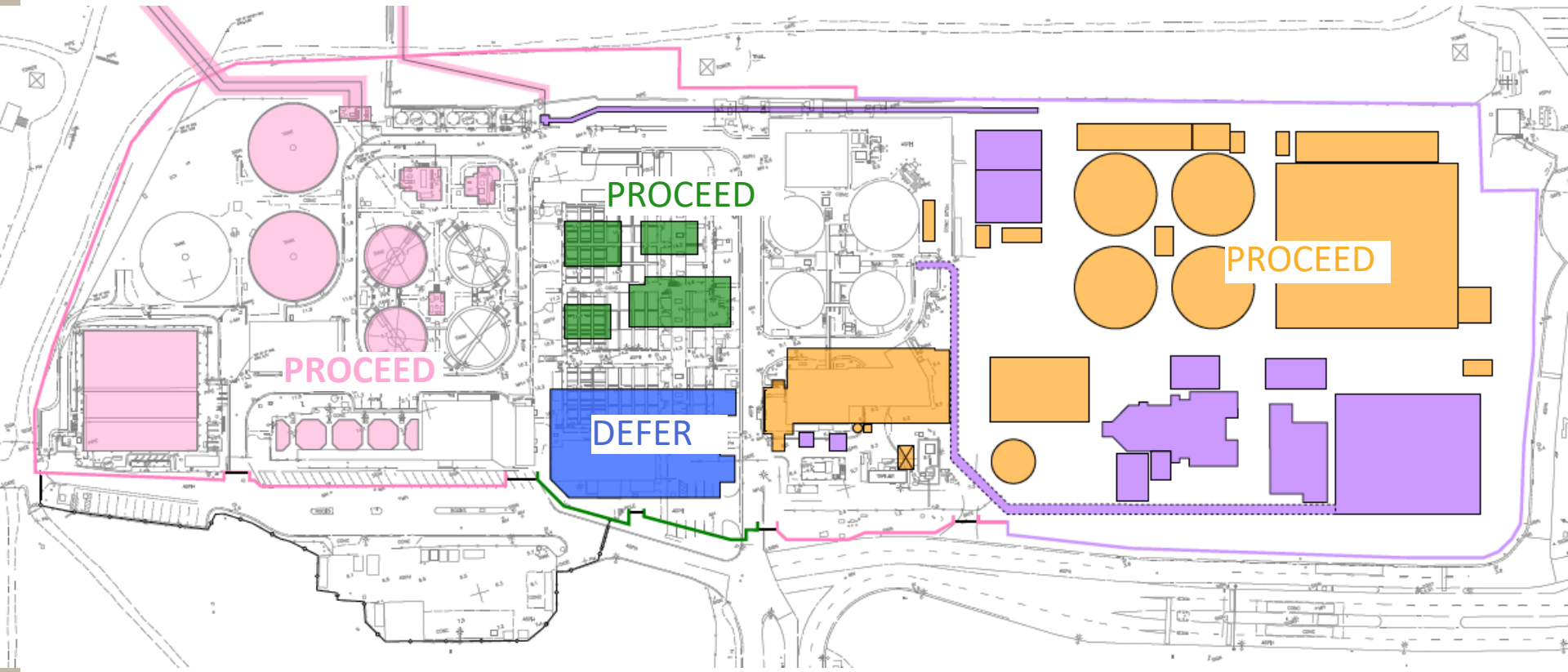
Option 1

- Stay on-budget

Option 2

- Stay on-scope

Path Forward



Cleanwater Center Deferral Strategy

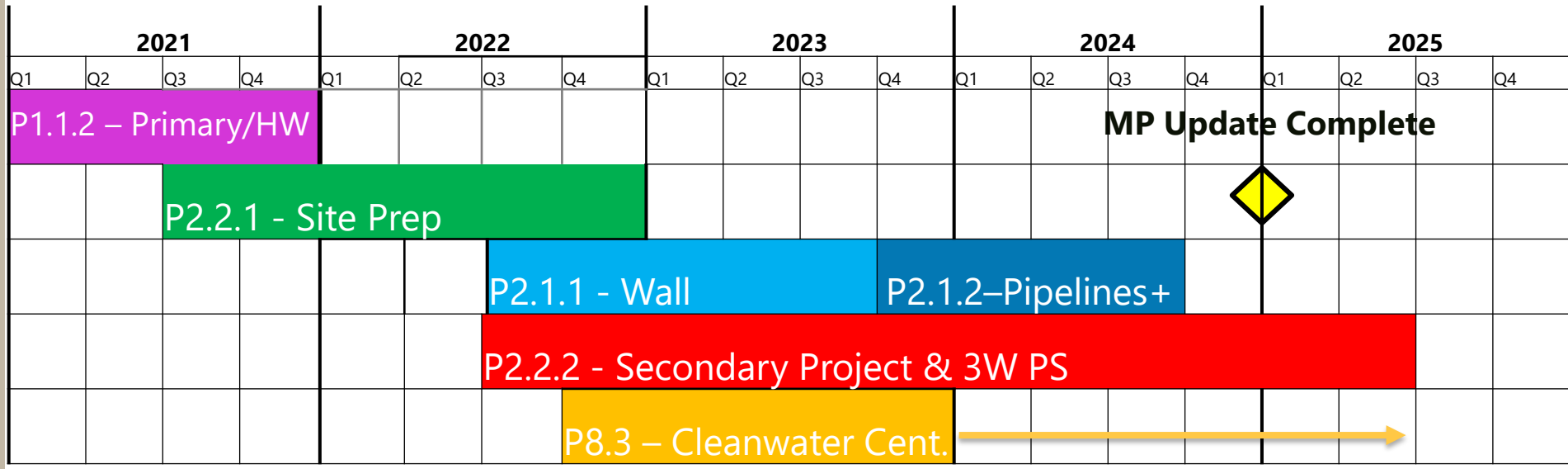
Soft stop

- Complete 90% design
- Prepare & reserve site
- Construct Recycle Yard parking lot

Prepare to restart

- Continue cost control on other projects
- Reclaim savings from low bids
- Seek additional grants, loans, and cost share opportunities

Managing Uncertainty



Cleanwater Center Deferral Implications

Advantages

+ Limits risk from bid price uncertainty
+ Reduces risk of treatment facility failure
  - Staff safety
  - Regulatory violations
  - Operational Reliability

Disadvantages

- Cost of future construction escalates
- Temp & Subpar office/lab facilities hinder recruitment and retention
- Lose WIFIA low interest savings ($220 M versus $190 M)
- Low interest rate environment may not last

Next Steps

- Now—Proceed to 90% design on Cleanwater Center
- Now—Proceed through construction on Rehab
- December 8th—SRF application
- February 23rd—Detailed Program update
- June 2021—FY21/22 proposed project budgets
- March 2022—Begin Master Plan Update

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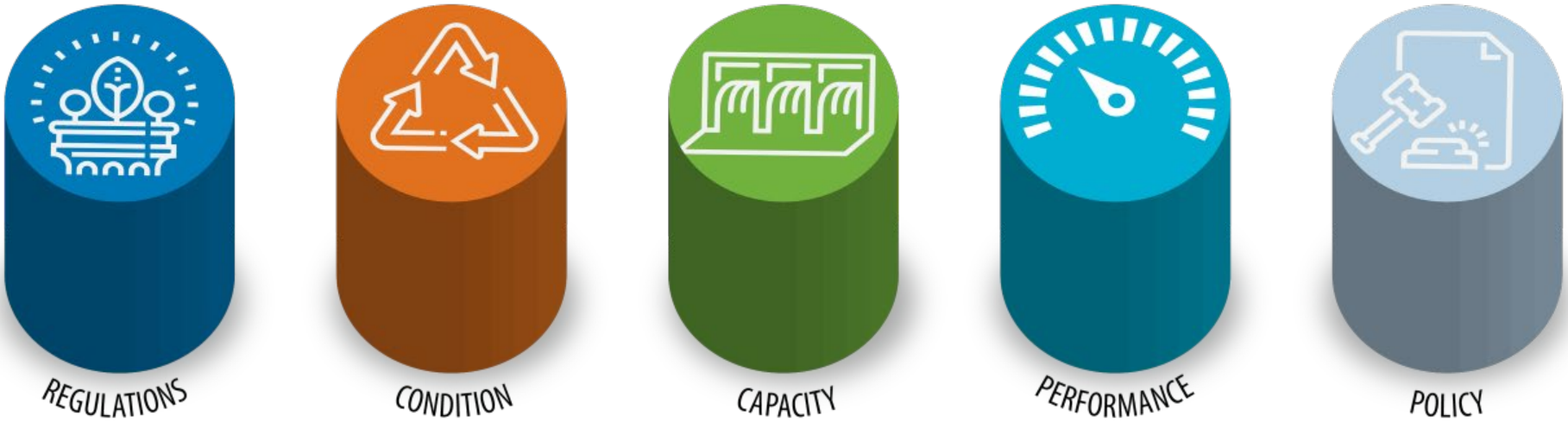
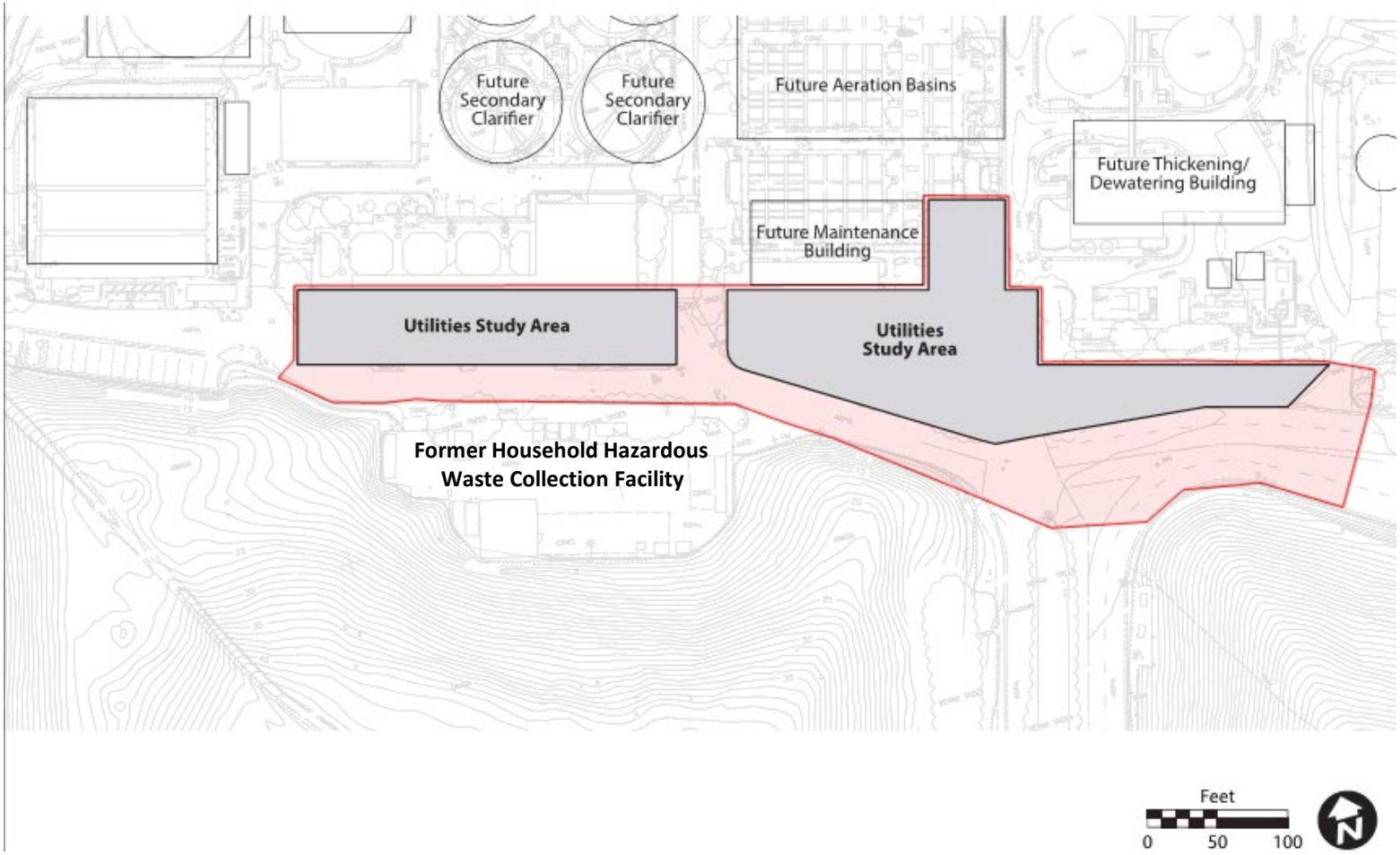
Questions?

Prioritizing Projects

Pillars of the 2016 Master Plan



Building Relocation Assessment



Cleanwater Center – Design Development

- Conducted User Group Workshops (Administration & Operations, Laboratory, and Maintenance)
  - Obtained staff input – In-person workshops and written responses to questionnaires and requests-for-information.
  - Refined layout concepts and adjacencies and addressed specific staff needs.
- Prepared DIMs (Preliminary Design Memoranda)
- Prepared 30% Design Package

Cleanwater Center Master Plan Concepts

- The Cleanwater Center design will be unique in form and materials but will also be cohesive with the new WPCP process buildings.
- Building appearance should reflect modern, minimalist architectural design and be compatible with office building types in the vicinity.
- Be a welcoming gateway for visitors coming to the Plant while providing it's primary function of "housing" the Plant staff
- Consistent with City design standards, municipal codes, and building codes
- Meet LEED Gold rating requirements.